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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): J. HAYAKAWA, et al
Serial No.: 09/741,804
Filed: December 22, 2000
For: MAGNETORESISTIVE SENSOR
Group: 2652
Examiner: C. Renner

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JAN 22 2004

Technology Center 2600

AMENDMENT

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

January 21, 2004

Sir:

The following amendments and remarks are respectfully submitted in connection with the above-identified application in response to the Office Action dated October 21, 2004.

Amendments to the Title;

Amendments to the Specification;

Amendments to the Claims;

Amendments to the Drawings describing changes to drawings shown in the Appendix;

Remarks are included following the amendments;

An Appendix including amended drawing figures is attached following the Remarks.

IN THE TITLE:

B1 MAGNETORESISTIVE SENSOR WITH NON-MAGNETIC AND
CONDUCTIVE OXIDIZED FILM BETWEEN SOFT MAGNETIC FREE LAYER AND
METAL OXIDE FILM